

K. H. L. Key [Plants det. R. Pullen]

8-22. VI. 1977

8/6. Along beach from Orchid Beach Resort to Waddy Point. <sup>*Pycnanotus serialeus*, *Abrotanomorpha similis*</sup> *Casuarina* sp. & ground cover around freshwater lagoons behind beach, incl. *Sponoeca* & grasses.

9/6. Site 1. - Orchid Beach Resort. Regeneration from burn c. 2 yr previously on gentle slope on white sand back from steep fall-away to beach. Scattered eucalypt regrowth, with abundant *Acacia* sp. (rather succulent phyllodes) & a few other shrubs (all regrowth to c. 3ft), abundant bracken & *Imperata* & patches of a wiry grass <sup>*Eriachne pallidus* R. Br.</sup> to 2ft. *Warramaba* associated with the wiry grass (spec), *Moxibala* with shrubs. *Heteropternis*.

Site 2. - 6-12 mi. SW. by S. of Indian Head. <sup>sand *Calidria capitata*, & *Pandanus*</sup> Base of cliff behind beach. *Casuarina* to 15ft. <sup>also *Abrotanomorpha similis*</sup> with shrubs & dense ground cover of *Sponoeca*, *Kennedya*, other forbs, & grasses. *Heteropternis*.

Site 3. - Mouth of Eli Cr., SW. by S. of Indian Head.

10/6. c. 2 km WNW. of Orchid Beach Resort on gently undulating white sand. back to Ocean Lake. Eucalypts to 15ft, *Banksia* <sup>*semata*, *phyllodermis*</sup> *Acacia* spp., miscellaneous microphylls

rather *Heide* sp. P92, *Montala* sp. P82, *Genus* nov. 17 sp. 1,  
 shrubs to 3ft., some grass. Mostly regrowth  
<sup>*Cyperula pycnanthemis*</sup>  
 after fire 1-2 yr previously.

11/6. Orchid Beach Resort (same site as on 9/6).  
<sup>*Achyrocline* sp. P354, *Montala* sp. P82, *Genus* nov. 17 sp. 1</sup>  
*Montala* largely on the phyllocladous *Acacia*.

12/6. Site 4. — *Imperata* & another grass on flat  
 sand at coastward margin of airstrip.

*Austrobaea guttulosa*, *Heteropteryx*.

Site 5. — C. 2 km NW. of Orchid Beach Resort,  
<sup>*Adesopus fallax*</sup>  
 in moist hollow between low fore-dune &  
 high second dune. *Melaleuca* sp. to 20ft &  
*Banksia robusta* to 7ft killed by fire in previous  
 season & in part regenerating, *Imperata*,  
 bracken, a saw-tooth fern <sup>to 2ft.</sup>, some *Gahnia* to  
 4ft, patches of cyperaceae.

14/6. Orchid Beach Resort. *Valanga* on creeper in  
 garden. <sup>*Valanga irregularis*</sup>

15/6. Site 6. — Sandy Cape Lighthouse. Sand, with  
<sup>*Acrida conica*, *Pycnostictus senatus*</sup>  
 (mowed) grass around lighthouse, *Tropidodermis*  
 on wall of lighthouse.

Site 7. <sup>C. 2 km W. by S. of</sup> Sandy Cape. White sand inland from  
<sup>*Coryphosaurus carinatus*, *Parabellina femoralis*</sup>  
 beach. *Casuarina*, *Banksia integrifolia* (2), &  
<sup>*Podocarpus nuyagracii*, *Macrotona* sp. 21</sup>  
*Acacia* sp. to 20ft, shrubs to 8ft, scattered grasses,  
 leading to dense shrub thickets margining  
 paperbark swamps <sup>to 25ft.</sup> in places with <sup>dense</sup> cyperaceous

stands to 4ft, occ. eves to 20ft.

Site 8. - Orchid Beach Resort. *Valanga* on garden shrub, *Croket* in unit.

Site 9. -

16/6. Orchid Beach Resort. Grasses, incl. spec. *Heteropogon obscurus*, *Austroasis gutturalis*, from 9/6, with scattered clumps of *Phyllode* *Pseudomunrogravia*, *Moribala* sp. P22. *Acacia* sp. (as 9/6) to 3ft, on white sand margining airstrip. *Pseudomunro* on grass sp. from 9/6.

Site 10. - Orchid Beach Resort. Washed up on beach.

Site 11. -

17/6. White sand 5km ~~in~~ <sup>by S.</sup> ~~off~~ <sup>SW.</sup> of Orchid Beach *Genus* nov. 17 sp. 1, *Heide* sp. P98, *Moribala* sp. P22, *Adreppus* *fallax* (P). Heath to 2ft, incl. miscellaneous mainly ericoid shrubs, *Xanthorrhoea* spp. (2), rarely sedge occ. to 1ft. *Banksia serratifolia*, ~~*serrata*~~ to 8ft, occ. eves to 10ft, occ. *Leptospermum* to 5ft.

Site 12. - Margin of swamp ~~3km~~ <sup>1.5 km</sup> E. by S. of mouth of Wathumba Ck. *Banksia robusta* to 5ft, *Gahnia* sp. to 4ft, various sedges & some grasses & forbs to 1ft, patches taller coarse sedges to 3ft.

Site 13. White sand with mixed eves to 40ft, *Goniata australasica*, *Tristania conferta* & *T. laurifolia* to 40ft, occ. *Hakea* sp. to 15ft & *Acacia* sp. to 10ft, *Imperata*

+ other grasses to 2ft, occ. shrubs.

18/6. Radio Hill, C. 1 Km S. W. of Orchid Beach  
*Coryphobates varius* A, *Mimosa nana* (Guss.) DC. 10-20 ft.  
 Resort. White sand on slopes + summit of  
*Aechmea* sp. 3ft, *Cochlosiphia* sp.  
 high, well vegetated sandhill. *E. guineensis*,  
*Angophora costata*, + occ. other trees to 30ft,  
*Casuarina* sp., *Acacia* (phyllodineous) ~~the~~ spp. (2) to  
 20ft, *Leptospermum* <sup>sp.</sup> ~~bracken~~ 6ft, *Imperata*, the  
 grass spec. from 9/6, + occ. *Hibbertia* sp. + other  
*Schinus molle* (L.) Sm.  
 shrublets or regrowth to 1ft, occ. low ferns (spec.)

19/6. Margin of Ocean Lake. White sand. Paper-barks,  
*Valanga* <sup>*Valanga* *indularis*, *Oxya japonica*</sup>  
*E. kasularis*, *Tritanica conferta*, *T. laurifolia* (?),  
 + a fan palm; all to 20ft, *Banksia robur* to  
 7ft, *Gahnia* sp. to 7ft, other sedges 2-4ft, ferns,  
*Imperata* to 18in. *Valanga* on *Banksia*,  
*Oxya* on sedges 2-3ft